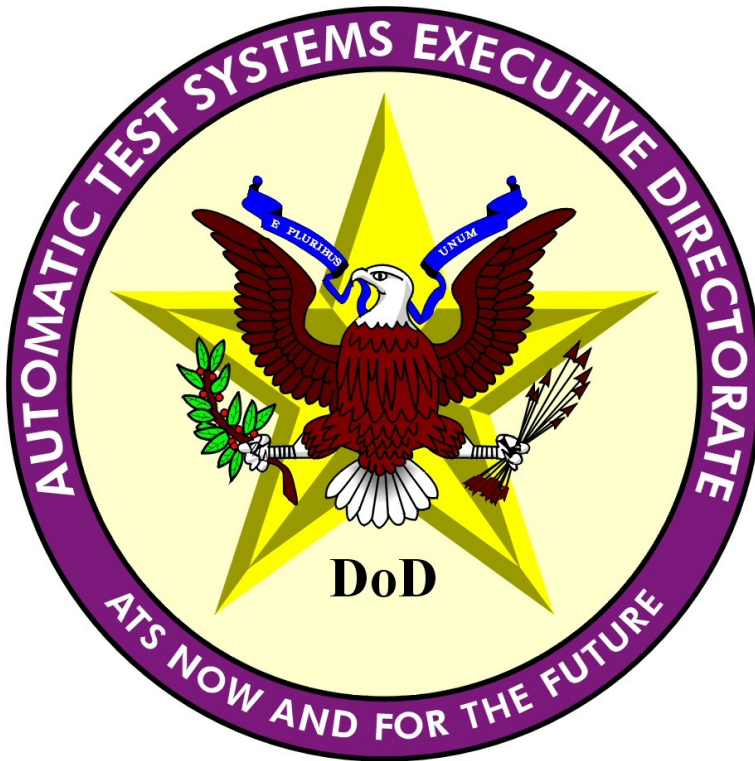


# **Joint Organizational-Level Automatic Test System IPT Overview**



Jim Deffler  
JOLATS IPT Leader  
NAVAIR Lakehurst  
(732)323-1202  
[james.deffler@navy.mil](mailto:james.deffler@navy.mil)

**17 May 2006**



# Purpose

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- To provide the OSD CBM+ IPT with an overview of the Joint Organizational Level Automatic Test Systems (JOLATS) IPT, our mission, and our current and future activities.



# Outline

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- Who We Are
- Team Membership
- Mission
- Plan of Action & Milestones
- Possible Demonstration Project



# Who We Are

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- A technical and coordinating body under the DoD ATS Management Board (AMB) on activities involving Organizational Level (O-level) Integrated Diagnostics and Automatic Test Systems (ATS) to demonstrate and advance technologies required to transform O-level maintenance to support current OSD policies and initiatives.
- JOLATS IPT formally stood-up on 18 January 2006 during a kick-off meeting held at the NAVAIR Washington Liaison Office.
- IPT Charter drafted by team and signed by DoD AMB Principals on 13 March 2006.



# Team Membership

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## Navy Representative

Jim Deffler (IPT Leader)  
Avionics Common Support  
Equipment  
NAVAIR Lakehurst  
(732)323-1202

## Air Force Representative

Lea D. Baker  
542d ATSG/GBTDT, Automatic  
Test Sustainment  
Warner-Robins Air Force Base  
(478) 222-0314

## Army Representative

George Garcia  
Army RDECOM-ARDEC Automated  
Test Systems Division  
Picatinny Arsenal  
(973)724-4382

## Marines Representative

Gene Morin  
Marine Corps Systems  
Command PM-TMDE  
Quantico, VA  
(703)432-3239



# Mission

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- Improve the Services' awareness of current OSD policies and initiatives such as CBM+ that aim to transform maintenance processes and practices where cost effective to increase the reliability, availability, and maintainability of weapon systems.
- Partner with industry to demonstrate and advance technologies required to transform O-level maintenance to support current OSD policies and initiatives.
- Actively pursue new joint opportunities for the advancement of Integrated Diagnostics at the O-level and to ensure that the selection, development and introduction of any new O-level ATS is compliant with the ATS Framework.



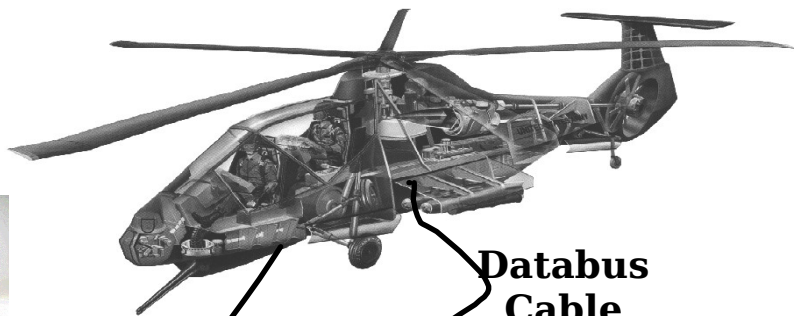
# Plan of Action & Milestones

	FY-2006							FY-2007							
	Apr	May	J un	J ul	Aug	Sep	Oct	Nov	Dec	J an	Feb	Mar	Apr	May	J un
<b>Determine O-Level ATS Test Capability "Benchmark" across the Services</b>	▲											△			
Identify common O-level ATS commodities across the services	▲	△													
Each Service identify current equipment in each commodity		△	—	△											
Identify test capabilities for current DoD O-level ATS inventory			△	—	—	—	—	—	—	△					
Identify O-level ATS "Benchmark" across the Services (the 80% of the overall test capability envelope that is common to all the Services)										△	—	△			
<b>Identify New O-Level test capabilities/test approaches required to support OSD CBM+ initiatives</b>	▲	—	—	—	—	—	—	—	—	—	—	△			
Develop detailed list/database of new test capabilities/test approaches, that need to be standardized across the services (IETMS, Smart TPSs, etc)	▲	—	△												
Identify opportunities within the Services to demonstrate new technologies/ standard approaches to support CBM+ goals		▲										△			
Coordinate demonstrations with DoD AMB Working Groups (ATS Framework Working Group, etc)			△	—	—	—	—	—	—	—	—	△			
<b>Define a demonstration project (ACTD, for example) for an O-Level ATS that supports the 80% common solution across the Services</b>										△	—	—	△		



# Possible Demonstration Project

**Multiple  
O-Level Support  
Equipment  
Items**



**Databus  
Cable**

**Test  
Cable**

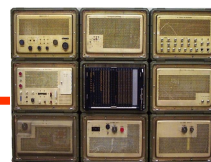
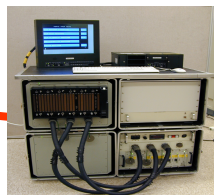
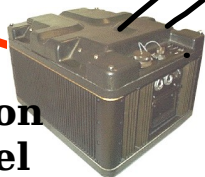
**Ethernet**

**Communicate with  
I-Level, Depot,  
OEM, Supply  
Chain, etc.**



**Provides for  
Integration of all  
Maintenance Levels**

**Common  
O-Level  
Tester  
(80% DoD  
requirements)**



**OEM**

17 May 2006

# Back-Ups



# Navy O-Level Consolidation Efforts

## EW Testers

- Replaces AN/USM-406D
- Augments AN/USM-482A

2 → 1

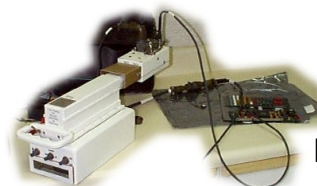
AN/USM-670  
Joint Service  
Electronic Combat  
System Tester  
Buy Years: FY 01 - 03



## Weapons Release Test Sets

- AN/AWM-92
- AN/AWM-96
- AN/AWM-98
- AN/AWM-100
- AN/AWM-101
- AN/A/E24T-216
- MK432
- TS3519
- A/E47M-3

9 → 1



AN/AWM-103  
Stores Management  
System Test Set  
Buy Years: FY 03 - 07

## Transponder Test Sets

- AN/APM-378
- AN/APM-349
- AN/APM-424

3 → 1

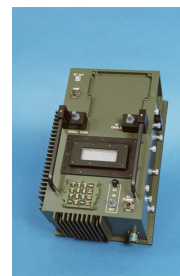
AN/APM-480  
IFFITTS  
**Fielded**



## EW Threat Generators

- SM-674A
- AN/USM-427
- MTS-300
- ICWD SK3100570
- AN/ALM-190
- AN/ALM-236A

6 → 1



Common EW  
Threat Generator  
Buy Year: FY 09 - 11



# Navy O-Level Consolidation Efforts

## Fuel Quantity Test Sets

- TTU-378A/E
- A/E24T-159
- AN/TSM-144

3 → 1



Common Fuel Quantity Test Set  
Buy Years: FY 04 - 08

## RF COM/NAV Test Sets

- AN/ASM-663
- AN/ARM-201
- AN/ARM-186
- SM-511
- SM-511A
- ID-1956
- AN/ARM-186 (USAF)

7 → 1

Common RF Avionics Flightline Tester (CRAFT)  
Buy Years: FY 05 - 09



## Air Data Test Sets

- TTU-205C/E
- TTU-205D
- TTU-205G

3 → 1



TS-4508U  
Air Data Test Set  
**Fielded**